

10699094\_CLSTITLES  
Titles of most frequently occurring classifications of patents returned  
from a search of 10699094 on Jan 04 , 2007

11 704/233 (4 OR, 7 XR)  
Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,  
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION  
704/200 .SPEECH SIGNAL PROCESSING  
704/231 ..Recognition  
704/233 ...Detect speech in noise

10 704/251 (4 OR, 6 XR)  
Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,  
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION  
704/200 .SPEECH SIGNAL PROCESSING  
704/231 ..Recognition  
704/251 ...Word recognition

9 704/226 (3 OR, 6 XR)  
Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,  
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION  
704/200 .SPEECH SIGNAL PROCESSING  
704/201 ..For storage or transmission  
704/226 ...Noise

8 381/94.3 (5 OR, 3 XR)  
Class 381 ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES  
381/94.1 .NOISE OR DISTORTION SUPPRESSION  
381/94.2 ..Spectral adjustment  
381/94.3 ...In multiple frequency bands

8 704/270 (2 OR, 6 XR)  
Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,  
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION  
704/200 .SPEECH SIGNAL PROCESSING  
704/270 ..Application

7 381/92 (3 OR, 4 XR)  
Class 381 ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES  
381/92 .DIRECTIVE CIRCUITS FOR MICROPHONES

6 704/270.1 (3 OR, 3 XR)  
Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,  
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION  
704/200 .SPEECH SIGNAL PROCESSING  
704/270 ..Application  
704/270.1 ...Speech assisted network

6 704/228 (2 OR, 4 XR)  
Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,  
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION  
704/200 .SPEECH SIGNAL PROCESSING  
704/201 ..For storage or transmission  
704/226 ...Noise  
704/228 ....Post-transmission

4 381/110 (2 OR, 2 XR)  
Class 381 ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES  
381/110 .VOICE CONTROLLED

4 704/275 (2 OR, 2 XR)  
Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,  
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION

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704/200 .SPEECH SIGNAL PROCESSING  
704/270 ..Application  
704/275 ...Speech controlled system

3 381/317 (0 OR, 3 XR)  
Class 381 ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES  
381/312 ..HEARING AIDS, ELECTRICAL  
381/317 ..Noise compensation circuit

3 704/271 (2 OR, 1 XR)  
Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,  
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION  
704/200 .SPEECH SIGNAL PROCESSING  
704/270 ..Application  
704/271 ...Handicap aid

3 434/112 (0 OR, 3 XR)  
Class 434 EDUCATION AND DEMONSTRATION  
434/112 ..COMMUNICATION AIDS FOR THE HANDICAPPED

3 704/258 (0 OR, 3 XR)  
Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,  
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION  
704/200 .SPEECH SIGNAL PROCESSING  
704/258 ..Synthesis  
704/260 ...Image to speech

3 704/260 (0 OR, 3 XR)  
Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,  
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION  
704/200 .SPEECH SIGNAL PROCESSING  
704/258 ..Synthesis  
704/260 ...Image to speech

3 704/254 (2 OR, 1 XR)  
Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,  
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION  
704/200 .SPEECH SIGNAL PROCESSING  
704/231 ..Recognition  
704/251 ...Word recognition  
704/254 ....Subportions

3 381/66 (2 OR, 1 XR)  
Class 381 ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES  
381/66 ..DEREVERBERATORS

3 381/94.2 (3 OR, 0 XR)  
Class 381 ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES  
381/94.1 ..NOISE OR DISTORTION SUPPRESSION  
381/94.2 ..Spectral adjustment

3 704/231 (0 OR, 3 XR)  
Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,  
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION  
704/200 .SPEECH SIGNAL PROCESSING  
704/231 ..Recognition

3 704/253 (0 OR, 3 XR)  
Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,  
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION  
704/200 .SPEECH SIGNAL PROCESSING  
704/231 ..Recognition  
704/251 ...Word recognition  
704/253 ....Endpoint detection

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3 704/235 (1 OR, 2 XR)  
Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,  
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION  
704/200 .SPEECH SIGNAL PROCESSING  
704/231 ..Recognition  
704/235 ...Speech to image

2 704/225 (0 OR, 2 XR)  
Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,  
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION  
704/200 .SPEECH SIGNAL PROCESSING  
704/201 ..For storage or transmission  
704/225 ...Gain control

2 381/320 (0 OR, 2 XR)  
Class 381 ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES  
381/312 .HEARING AIDS, ELECTRICAL  
381/320 ..Spectral control

2 704/234 (1 OR, 1 XR)  
Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,  
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION  
704/200 .SPEECH SIGNAL PROCESSING  
704/231 ..Recognition  
704/234 ...Normalizing

2 704/222 (1 OR, 1 XR)  
Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,  
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION  
704/200 .SPEECH SIGNAL PROCESSING  
704/201 ..For storage or transmission  
704/221 ...Pattern matching vocoders  
704/222 ....Vector quantization

2 434/185 (2 OR, 0 XR)  
Class 434 EDUCATION AND DEMONSTRATION  
434/156 .LANGUAGE  
434/185 ..Speech

2 704/261 (0 OR, 2 XR)  
Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,  
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION  
704/200 .SPEECH SIGNAL PROCESSING  
704/258 ..Synthesis  
704/261 ...Vocal tract model

2 704/276 (0 OR, 2 XR)  
Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,  
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION  
704/200 .SPEECH SIGNAL PROCESSING  
704/270 ..Application  
704/276 ...Pattern display

2 434/116 (0 OR, 2 XR)  
Class 434 EDUCATION AND DEMONSTRATION  
434/112 ..COMMUNICATION AIDS FOR THE HANDICAPPED  
434/116 ...Converting information to sound

2 704/246 (1 OR, 1 XR)  
Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,  
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION  
704/200 .SPEECH SIGNAL PROCESSING

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704/231        ..Recognition  
704/246        ...Voice recognition

2 704/278      (0 OR, 2 XR)  
Class 704      DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,  
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION  
704/200        .SPEECH SIGNAL PROCESSING  
704/270        ..Application  
704/278        ...Sound editing

2 379/390.01    (1 OR, 1 XR)  
Class 379      TELEPHONIC COMMUNICATIONS  
379/387.01     .SUBSTATION OR TERMINAL CIRCUITRY  
379/388.01     ..For loudspeaking terminal  
379/390.01     ...Amplification or attenuation level control

2 381/81        (0 OR, 2 XR)  
Class 381      ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES  
381/77        .ONE-WAY AUDIO SIGNAL PROGRAM DISTRIBUTION  
381/80        ..Multiple channel  
381/81        ...With switching

2 455/557      (0 OR, 2 XR)  
Class 455      TELECOMMUNICATIONS  
455/73        .TRANSMITTER AND RECEIVER AT SAME STATION (E.G.,  
TRANSCEIVER)  
455/550.1     ..Radiotelephone equipment detail  
455/557        ...Interface attached device (e.g., interface with modem,  
facsimile, computer, etc.)

2 381/56        (1 OR, 1 XR)  
Class 381      ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES  
381/56        .MONITORING OF SOUND

2 704/277      (0 OR, 2 XR)  
Class 704      DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,  
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION  
704/200        .SPEECH SIGNAL PROCESSING  
704/270        ..Application  
704/277        ...Translation

2 381/108      (1 OR, 1 XR)  
Class 381      ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES  
381/104        .INCLUDING AMPLITUDE OR VOLUME CONTROL  
381/107        ..Automatic  
381/108        ...Including feedback

2 381/106      (0 OR, 2 XR)  
Class 381      ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES  
381/104        .INCLUDING AMPLITUDE OR VOLUME CONTROL  
381/106        ..With amplitude compression/expansion

2 381/119      (1 OR, 1 XR)  
Class 381      ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES  
381/119        .WITH MIXER

2 379/202.01    (0 OR, 2 XR)  
Class 379      TELEPHONIC COMMUNICATIONS  
379/201.01     .SPECIAL SERVICES  
379/202.01     ..Conferencing

2 381/94.5      (0 OR, 2 XR)  
Class 381      ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES

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381/94.1 .NOISE OR DISTORTION SUPPRESSION  
381/94.5 ..Soft switching, muting, or noise gating

2 381/123 (1 OR, 1 XR)  
Class 381 ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES  
381/123 .SWITCHING

2 381/83 (1 OR, 1 XR)  
Class 381 ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES  
381/77 .ONE-WAY AUDIO SIGNAL PROGRAM DISTRIBUTION  
381/82 ..Public address system  
381/83 ...Feedback suppression

2 704/227 (0 OR, 2 XR)  
Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,  
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION  
704/200 .SPEECH SIGNAL PROCESSING  
704/201 ..For storage or transmission  
704/226 ...Noise  
704/227 ....Pretransmission

2 381/71.6 (1 OR, 1 XR)  
Class 381 ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES  
381/71.1 .ACOUSTICAL NOISE OR SOUND CANCELLATION  
381/71.6 ..Adjacent ear

2 704/219 (0 OR, 2 XR)  
Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,  
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION  
704/200 .SPEECH SIGNAL PROCESSING  
704/201 ..For storage or transmission  
704/219 ...Linear prediction

2 381/104 (0 OR, 2 XR)  
Class 381 ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES  
381/104 .INCLUDING AMPLITUDE OR VOLUME CONTROL

2 379/67.1 (0 OR, 2 XR)  
Class 379 TELEPHONIC COMMUNICATIONS  
379/67.1 ..AUDIO MESSAGE STORAGE, RETRIEVAL, OR SYNTHESIS

2 379/88.01 (0 OR, 2 XR)  
Class 379 TELEPHONIC COMMUNICATIONS  
379/67.1 ..AUDIO MESSAGE STORAGE, RETRIEVAL, OR SYNTHESIS  
379/88.01 ..Voice activation or recognition

2 704/214 (0 OR, 2 XR)  
Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,  
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION  
704/200 .SPEECH SIGNAL PROCESSING  
704/201 ..For storage or transmission  
704/211 ...Time  
704/214 ....Voiced or unvoiced

2 379/189 (0 OR, 2 XR)  
Class 379 TELEPHONIC COMMUNICATIONS  
379/188 ..CALL OR TERMINAL ACCESS ALARM OR CONTROL  
379/189 ..Fraud or improper use mitigating or indication (e.g.,  
"blue box", "black box")

2 704/257 (0 OR, 2 XR)  
Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,  
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION

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704/200 .SPEECH SIGNAL PROCESSING  
704/231 ..Recognition  
704/251 ...Word recognition  
704/255 ....Specialized models  
704/257 .....Natural language

2 704/252 (0 OR, 2 XR)  
Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,  
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION  
704/200 .SPEECH SIGNAL PROCESSING  
704/231 ..Recognition  
704/251 ...Word recognition  
704/252 ....Preliminary matching

2 342/192 (2 OR, 0 XR)  
Class 342 COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES  
(E.G., RADAR, RADIO NAVIGATION)  
342/175 .WITH PARTICULAR CIRCUIT  
342/192 ..Spectrum analysis

2 324/76.12 (0 OR, 2 XR)  
Class 324 ELECTRICITY: MEASURING AND TESTING  
324/76.11 .MEASURING, TESTING, OR SENSING ELECTRICITY, PER SE  
324/76.12 ..Analysis of complex waves

2 704/201 (0 OR, 2 XR)  
Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,  
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION  
704/200 .SPEECH SIGNAL PROCESSING  
704/201 ..For storage or transmission

2 381/94.1 (0 OR, 2 XR)  
Class 381 ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES  
381/94.1 ..NOISE OR DISTORTION SUPPRESSION

2 381/107 (0 OR, 2 XR)  
Class 381 ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES  
381/104 ..INCLUDING AMPLITUDE OR VOLUME CONTROL  
381/107 ..Automatic